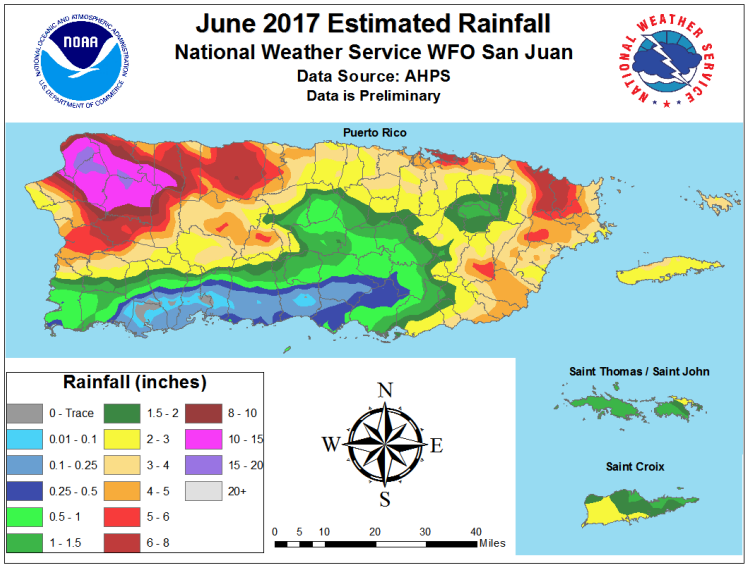
NWS Form E-5	U.S. DEPARTMENT OF COMMERCE	HYDROLOGIC SERVICE AREA (HSA)
(04-2006)	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	San Juan, Puerto Rico
(PRES. BY NWS Instruction 10-924)	NATIONAL WEATHER SERVICE	REPORT FOR: JUNE 2017
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		SIGNATURE Odalys Martínez-Sánchez / FIC Amaryllis Coto / Intern DATE 07/03/2017

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☐ An X inside this box indicates that no flooding occurred within this hydrologic

Summary: A fairly seasonable weather pattern was observed across the islands throughout the month. Most of the rainfall activity came from a series of tropical waves moving across the eastern Caribbean along with locally and diurnally induced convection. The most significant weather event of the month occurred on the 19th, when a vigorous tropical wave combined with an upper-level trough produced widespread shower activity along with numerous thunderstorms across the entire region. Based on the Cooperative Observer Network Data (COOP), 86 % of the normal rainfall was observed across Puerto Rico. Preliminarily, an average rainfall total of 3.89 inches was measured, which is 0.64 inches below normal (Table 1). At the primary climatological data sites, near normal rainfall was observed at the Henry E. Rohlsen Airport in Saint Croix (TISX) while a rainfall deficit of 1.20 inches was observed at the Cyril E King Airport in St Thomas (TIST).



June 2017 rainfall totals based on AHPS data.

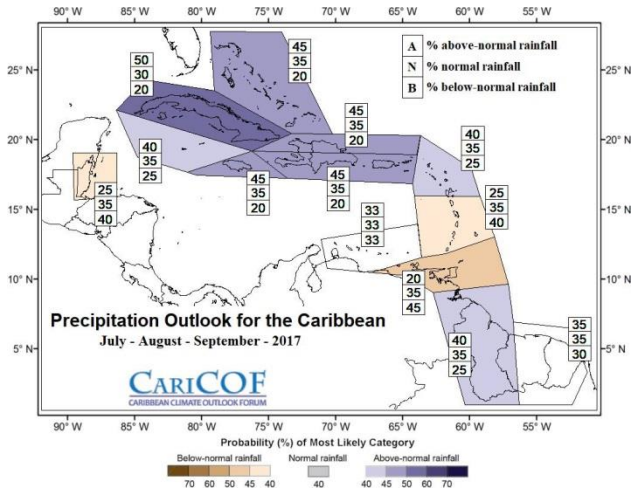
River and Drought Conditions: The 28-day average streamflow from the U.S. Geological Survey (U.S.G.S.) river gauge network indicated most of the streamflows across Puerto Rico running above the normal range.

Water Supply: Lake levels at water supply reservoirs are in optimum conditions. However, three out of the four representative wells along the southern slopes of Puerto Rico are indicating a downward trend in their levels.

Flood Conditions:

Non-Routine Hydrologic Products Issued:	Approximate number of Products for the month
Hydrologic Outlooks (SJUESFSJU)	0
Flood Watches (SJUFFASJU)	0
Flood Warnings (SJUFLWSJU)	6
Flash Flood Warnings (SJUFFWSJU)	3
Flash Flood Statements (SJUFFSSJU)	3
Urban/Small Stream Flood Advisories (SJUFLSSJU)	60

General Hydrology Information:



ENSO conditions are expected to be warm neutral to borderline El Niño, therefore the impact on Caribbean rainfall is expected to be limited. However, if El Niño were to manifest, chances for drier than usual conditions in the southern Caribbean increase. Warm Sea Surface Temperatures (SSTs) east of the Caribbean may lead to above-average humidity and atmospheric instability in the wet season, which tilts the odds towards a wetter wet season. Therefore, the flood potential is near or above normal across the forecast area. More Info: http://rcc.cimh.edu.bb/long-range-forecasts/caricof-climate-outlooks/